

## SUMMARY OF

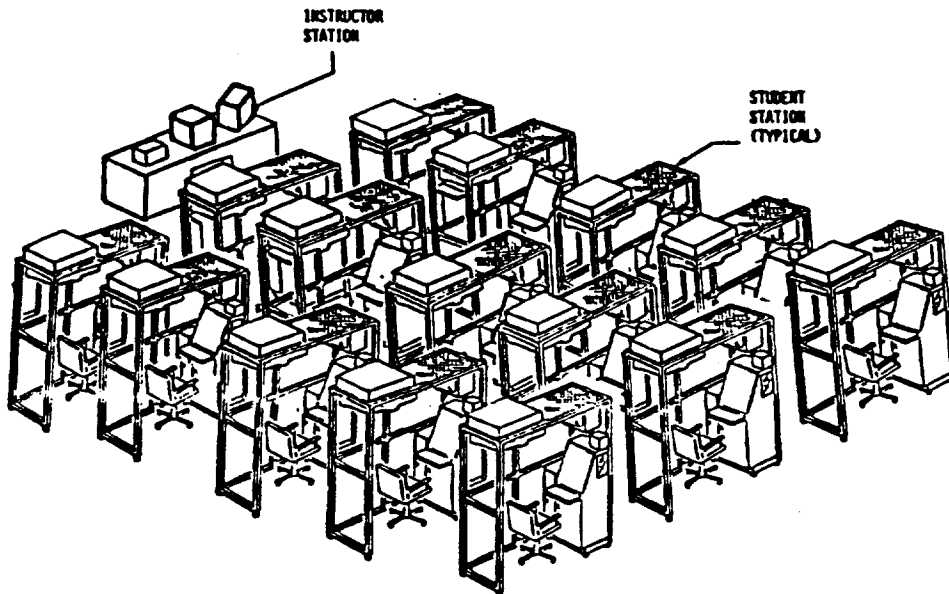
AME/GENERALIZED ACFT A/C MAINT TRNR

July 1988

NAVAL TRAINING SYSTEMS CENTER

Device 11F19

ORLANDO, FLORIDA



### TRAINING CATEGORY:

MAINTENANCE TRAINER

### ORIGINATING AGENCY:

CNO/AIR

### SECURITY CLASSIFICATION:

Device 11F19 is unclassified.

### PURPOSE OF DEVICE:

To provide maintenance training for aircraft air cycle, air conditioning, and pressurization systems as required of students in the AME (A1) School.

### INTENDED USE:

For classroom demonstration and laboratory practice in performing operational checks, fault isolation,

and maintenance of aircraft air systems.

### FUNCTIONAL DESCRIPTION:

The trainer performance includes normal and simulated malfunctions. Simulated temperatures, cockpit instrument readings, and video presentations of system operation are used to give the appearance of an operational system.

The trainer permits the students to demonstrate proficiency in the identification of system faults and the indicated repair procedures. Student monitoring data may be stored on disk and/or printed for later evaluation.

The instructor controls all Student Stations and each station's video disk presentations, thus assuring fine-tuned individual instruction.

## PHYSICAL INFORMATION:

Device 11F19 consists of three major units:

Instructor Station  
Student Stations  
Mobile Maintenance Cart Assembly

There are a total of 15 Student Stations, all of which are controlled and monitored by the Instructor Station.

Dimensions (in inches):

Instructor Station:  
(60 x 30 x 34)

Student Station:  
(29 x 78 x 78)

## EQUIPMENT REQUIRED (BUT NOT SUPPLIED):

The following items are required in order to operate and maintain Device 11F19:

<u>Qty</u>	<u>Nomenclature</u>
1	Digital Multimeter
1	Torque Wrench
1 Pkg	Printer Paper
1 Pkg	Printer Ribbon Cartridge
1 Pkg	5-1/4" Floppy Disks
1 Pkg	Cartridge Tape
1 Pt	Tape Head Cleaner Fluid
1 Qt	Glass Cleaner
1 Qt	Desk/Cabinet Cleaner
1 Qt	Isopropyl Alcohol

## POWER REQUIREMENTS:

Each Student Station: 115V ac,  
60 Hz, Single Phase, 15 amps

Instructor Station: 115V ac,  
60 Hz, Single Phase, 6 amps

## PUBLICATIONS FURNISHED:

The following publications are furnished with Device 11F19:

NTSC P-5170, Operation and Maintenance Instructions with Parts Catalog; NTSC P-5171, Planned Maintenance System Documentation; NTSC P-5172, Commercial Computer Documentation Set; NTSC P-5173, On-The-Job Training Handbook; NTSC P-5174, Instructor's Utilization Handbook. All technical manuals are unclassified.

## PERSONNEL:

INSTRUCTOR: One roving instructor  
OPERATOR: One Instructor Station operator.

## OPERATOR:

Qualified Instructor/Operator

## TRAINEES:

15 Hands-On Trainees

## MAINTENANCE:

Contractor operation and maintenance of simulators (COMS) (5 minutes Daily Operational Readiness Test (DORT) and 30 minutes per day preventive maintenance).

## CONTRACT IDENTIFICATION:

Device 11F19 is manufactured by DynaLantic Corp., Deer Park, New York under NAVAIRSYSCEN Contract Number N61339-85-C-0059.

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